

AMENDMENTS**In the Claims:**

Please amend the claims as indicated hereafter.

1. (Currently Amended) A ~~computer system~~ method for selectively blocking and unblocking event signals, comprising:
 - detecting, via an operating system configured to detect system, an occurrence of an event
event; and to transmit
 - transmitting, from said operating system, an event signal corresponding to said event;
 - [[and]]
 - ~~a translation system having a first data structure and configured to translate~~ translating a
first set of instructions from a program into a second set of instructions ~~and to transmit~~
instructions;
 - transmitting said second set of instructions to said operating system for execution, ~~said~~
~~first data structure having a first value indicating whether said event signal is blocked, said first set~~
of instructions incompatible with said operating system and said second set of instructions
compatible with said operating system, system;
 - ~~said translation system configured to identify,~~ identifying, within said first set of
instructions, a system call for ~~blocking or unblocking said event signal and to update signal;~~
 - storing a first value and a second value, said first value indicating whether said event
signal is blocked;
 - updating said first value ~~in said first data structure~~ in response to [[said]] a system call
~~defined by said first set of instructions, said translation system configured to receive~~ for blocking
said event signal thereby blocking said event signal;

receiving said event signal from said operating system and to transmit, while said event signal is blocked;

updating said second value in response to said event signal;

determining whether to transmit a signal indicating said occurrence of said event based on said first value and said event signal; and

transmitting, to said program, [[a]] the signal indicating said occurrence of said event in the absence of an indication from said first value that said event signal is blocked based on said second value and said system call for unblocking said event signal.

2-5. (Canceled)

6. (Currently Amended) The ~~computer system~~ method of claim 1, wherein said first value is defined by a bit associated with a bit vector.

7-14. (Canceled)

15. (Currently Amended) A method for ~~selectively blocking~~ and unblocking event signals associated with an operating system, comprising the steps of:

receiving an event signal from said operating system, said event signal indicating an occurrence of an event;

translating a first set of instructions from a program into a second set of instructions, said first set of instructions incompatible with said operating system and including a system call for blocking said event signal, said second set of instructions compatible with said operating system;

transmitting said second set of instructions to said operating system for execution;

~~indicating that said event signal is blocked~~ adjusting a first value in response to said system call, thereby indicating that said event signal is blocked;

determining whether ~~that~~ said event signal is blocked subsequent to said receiving step and based on said ~~indicating step~~ first value; [[and]]

updating a second value in response to said determining step;

~~delaying, based on said determining step, transmission of a signal corresponding to said event signal;~~

updating said first value in response to a system call for unblocking said event signal; and

transmitting a signal indicative of said occurrence of said event based on said second value and said system call for unblocking said event signal.

wherein said translating step comprises the step of omitting said system call from said second set of instructions such that said operating system is prevented from blocking said event signal based on said first set of instructions.

16. (Previously Presented) The method of claim 15, further comprising the steps of:

receiving an unblocking system call corresponding to an event associated with said event signal;

determining whether said event occurred prior to said receiving said unblocking system call step; and

transmitting said signal corresponding to said event signal in response to a determination that said event occurred prior to said receiving said unblocking system call step.

17-23. (Canceled)

24. (Currently Amended) A method for selectively blocking and unblocking event signals associated with operating systems, comprising the steps of:

- receiving a signal from a program application;
- determining if the signal is a blocking or an unblocking system call;
- translating the signal from a form incompatible with [[said]] an operating system into a form compatible with said operating system and if the signal is not a blocking signal or an unblocking signal, sending the translated signal to the operating system;
- detecting an occurrence of an event;
- identifying a signal handler in response to said detecting step;
- determining, in response to said identifying step, that [[an]] said operating system is enabled to notify said identified signal handler of said occurrence;
- transmitting an event signal from said operating system in response to said determining step;
- receiving said event signal;
- maintaining a first data value indicative of whether said event signal is blocked;
- analyzing said first data value in response to said receiving said event signal step;
- transmitting a signal indicative of said occurrence of said event to said signal handler, based on said analyzing step, if said first data value indicates that said event signal is unblocked during said analyzing step;
- updating a second data value, in response to said receiving said event signal step, if said first values indicates, during said analyzing step, that said event signal is blocked;
- receiving a request to unblock said event signal;
- updating said first data value in response to said receiving a request to unblock step; and
- transmitting a signal indicative of said occurrence of said event to said signal handler in response to said receiving a request to unblock step and based on said second data value.

25. (Previously Presented) The method of claim 24, wherein said determining that said operating system is enabled step is based on whether said operating system has received a blocking system call from an application program that is associated with said identified signal handler.

26-34. (Canceled)